

ABSTRACT OF THE DISCLOSURE

The invention relates to a scanning device for a position measuring system for scanning a scale graduation with a probe, which can be brought into operative connection with the scale graduation and is supplied with electric power over electrical connections; an electronic module, which is coupled over electric connections to the probe; a housing for the electronic module for thermally shielding the electronic module from the surroundings; and means for limiting the supply of current to the probe. Pursuant to the invention, the electrical connections, leading to the probe, within the housing of the electronic module, have at least one fuse, which interrupts the flow of current to the probe when the temperature produced as a result of the current flow exceeds a specifiable value. The housing the electronic module forms the housing of the fuse.

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